

[54] **FOUR-BAR LINKAGE DOOR HINGE**

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[58] Field of Search **16/370, 288, DIG. 1, 16/360**

[56] **References Cited**

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[57] **ABSTRACT**

A hinge mechanism for a door on an overhead baggage compartment which is generally located in the passenger section of an airliner and utilized by passengers for the stowage of carry-on luggage. The door hinge mechanism comprises, an unequal length four-bar linkage mechanism which produces a compound motion to the door for swinging it into the standing room area of the passenger section when it is moved to the open position. An ordinary four-bar linkage mechanism would have two pairs of equal length links and their operation would be designed around two fixed pivot points. However, in this disclosure there is only one fixed pivot point and the other of the generally fixed pivots, is a walking pivot which is guided by a cam device to profile the travel of the door.

6 Claims, 7 Drawing Figures

